

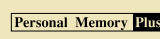
DENON

Home Theater Package with 6.1 Speakers

## DHT-485XP

## DHT-485XP Home Theater Package with 6.1 Speakers

The DHT-485XP, with Dolby Digital, DTS, Dolby Pro Logic II, and a robust 110 watts per channel, is a versatile A/V receiver package that includes 6 satellite speakers and a 100W active subwoofer. Since speakers must be carefully selected to bring out the full sound quality of the recording, DENON has made the job easier by selecting the speakers for you. With Dolby Pro Logic IIx, the AVR-485 recreates existing Dolby Surround programs and conventional stereo sources such as CD in realistic 6.1-channel likeness. Just add your DVD player and you'll be ready to fire up your favorite video or music program in full surround sound.



#### ■ High-Quality Sound Reproduction

- NEW High Resolution 32bit Floating Point DSP
- 96 kHz Processing Circuit

#### ■ 3 Sets of Component Video Inputs

The AVR-485 is equipped with 3 sets of component video inputs and 1 set of monitor outputs. In addition, this model has 3 sets of S-Video inputs.

#### ■ DENON's Basic Design for High-Quality Sound Reproduction

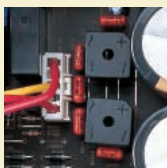
##### • Power Transformer for High Power Driven

The chassis that supports the large transformer has been designed to absorb vibration, and the transformer is housed inside a highly rigid frame to secure it more solidly to the chassis. In addition, a cushioning material has been placed around the core of the transformer to minimize interference on the signal and enable more faithful reproduction of the original sound. The AVR-485 inherits these low-noise design from higher-end models, like the highly acclaimed AVR-3805.



##### • Twin Drive Rectifier

DENON's Twin Drive Rectifier design uses two rectifying diodes in parallel to bring out the maximum potential of the large transformer. Since the rectifiers recharge the large block capacitors at low impedance, they are able to supply ample current to accurately reproduce deep basses as well as sudden bursts of sound from percussion or other musical instruments.



##### • Large Aluminum Extruded Heatsink

DENON uses large heatsink made of extruded aluminum. They have been placed in a design that ensures mostly uniform temperatures throughout the heatsink so that the output transistors for all channels can be driven under uniform conditions. This in turn ensures that all channels respond with equal performance to the demands of the audio signals.



#### ■ Fully Discrete, Equal Power 6 Amplifier Channels, 110 Watts Each

Front	110 W + 110 W	(6 ohms, 1 kHz, 0.7 % THD)
Center	110 W	(6 ohms, 1 kHz, 0.7 % THD)
Surround	110 W + 110 W	(6 ohms, 1 kHz, 0.7 % THD)
Surround Back	110 W	(6 ohms, 1 kHz, 0.7 % THD)

For optimum Dolby Digital and DTS reproduction, the AVR-485 features high quality, wideband audio amplification, providing 110 watts power output for each of the 6 main channels. A large capacity power supply which includes a high current power transformer along with discrete power output devices on all 6 amplifier channels for highest dynamic range and superb reproduction clarity.

#### ■ Wide-Range Play Capability for DVD-Audio and Super Audio CD

The power amp circuits of the AVR-485 have been meticulously designed to reproduce the exceptionally high sound quality with a wide frequency response from 10 Hz to 100 kHz.

#### ■ Cinema Equalizer

The sound from movie sources recorded in Dolby Digital, DTS or other formats emphasizes higher frequencies due to a theater's front speakers being placed behind the movie screen. If this sound is reproduced in the home theater without correction, the high-frequency range is too strong. The AVR-485 features a Cinema Equalizer to correct these high-frequency components so that the sound is clearer and easier to listen to. (For Dolby Digital, Dolby Pro Logic IIx, and DTS surround modes)

#### ■ Personal Memory Plus, for Easy Operation

The AVR-485 includes the Personal Memory Plus function that automatically remembers the surround mode you last used for each program source, so that you do not need to select the mode again for that program.

#### ■ Acclaimed Customization Feature

As with all of DENON's high-grade A/V receivers, the AVR-485 lets you adjust speaker configuration, delay times and other parameters so that you can customize the performance of the AVR-485 to suit your own home theater and enhance operating ease. The adjustments are easy to make via a dialog format on the fluorescent display on the front panel. These customized features are then stored, for each source input and surround mode, in Personal Memory Plus so constant readjustments are not required.

#### ■ Multi-Function Preset Memory Remote Controller with Glo-keys

The supplied system remote controller features a large selection of remote control codes to operate other components in your home theater system, including codes for selected DENON models, along with remote control codes from other manufacturers\*. The most frequently used buttons are laid out separately for TV, VCR and DVD, for maximum ease-of-use.

\* Some remote control codes may not be available for some products of other manufacturers and some DENON products.

#### ■ DENON's Latest Surround Technology Faithfully Recreates the Surround Sound Produced at the Dubbing Stage.

- DTS 96/24 Decoding for DVD-Video
- DTS-ES Discrete 6.1 and Matrix 6.1
- DTS NEO:6
- Dolby Digital EX
- Dolby Pro Logic IIx

#### ■ 6 Channel Stereo Mode

DENON's popular 6 Channel Stereo mode transforms your favorite 2-channel sources such as CD, tape, stereo radio and stereo video sources into exciting surround sound, free of delay effects and unnatural artifacts, from all 6 speakers. This 6 Channel Stereo mode was originally developed by DENON to enhance music lovers' enjoyment with home theater ambience, but it now can be enjoyed with any source material.

### ■ Virtual Surround Mode

Surround yourself with sensational 3D soundfield envelopment using just one pair of speakers. The AVR-485's Virtual Surround mode provides a dramatic psychoacoustic surround sound effect, using 2 speakers with Dolby Digital 5.1 encoded sources.

### ■ DENON DSP Surround Modes Add Listening Excitement

Put yourself in the middle of your favorite concert hall and music environments with DENON's DSP acoustic environment simulation modes. These DSP modes add spacious surround sound enhancements to your favorite music and video sources, and include these distinctly different sounding effects:

1. 6 Channel Stereo
2. Virtual Surround
3. Rock Arena
4. Jazz Club
5. Video Game
6. Matrix
7. Mono Movie

### ■ Adjustable Cross-Over Switching

The AVR-485 supports subwoofer cross-over switching with a choice of 8 cross-over frequencies: 40/60/80/100/120/150/200/250Hz. This lets you more accurately match the performance characteristics of the subwoofer to the main speaker system.

### ■ Front Panel Inputs

#### ■ Front A/B Speaker Terminals

#### ■ High-grade Speaker Terminals (All ch)

#### ■ Frequency Synthesis Tuning

- 56-Station AM/FM Random Preset Memory Tuning
- Auto Preset Memory

### ■ Active Subwoofer / DSW-65

- 25 cm Woofer x1
- Amplifier Output: 100W
- LF Direct Mode

### Specifications

#### ■ Input/Output Terminals For Every A/V System

##### • Audio Inputs

8 Analog Inputs	CD, (TUNER), DVD/VDP, TV/DBS, AUX, VCR, CDR/TAPE, V.AUX(FRONT)
6 Analog EXT. Input	FRONT L/R, CENTER, SURROUND L/R, SUBWOOFER
2 Digital Inputs	OPTICAL X 1 COAXIAL X 1

##### • Audio Outputs

1 Analog PRE OUT Terminals	SUBWOOFER
2 Analog REC OUT Terminals	VCR, CDR/TAPE

##### • Video Inputs

3 Component Video Inputs	DVD/VDP, TV/DBS, VCR
4 Composite Inputs	DVD/VDP, TV/DBS, VCR, V.AUX(FRONT)
3 S-Video Inputs	DVD/VDP, TV/DBS, VCR

##### • Video Outputs

1 Component Video Output	MONITOR
2 Composite Outputs	VCR, MONITOR
2 S-Video Outputs	VCR, MONITOR

### ■ Power Amplifier Section

Rated output	*THD figures are power amp stage values.	
Front	75 W + 75 W	(8 ohms, 20 Hz - 20 kHz, 0.08 % THD)
	110 W + 110 W	(6 ohms, 1 kHz, 0.7 % THD)
Center	75 W	(8 ohms, 20 Hz - 20 kHz, 0.08 % THD)
	110 W	(6 ohms, 1 kHz, 0.7 % THD)
Surround	75 W + 75 W	(8 ohms, 20 Hz - 20 kHz, 0.08 % THD)
	110 W + 110 W	(6 ohms, 1 kHz, 0.7 % THD)
Surround Back	75 W	(8 ohms, 20 Hz - 20 kHz, 0.08 % THD)
	110 W	(6 ohms, 1 kHz, 0.7 % THD)

### ■ Preamplifier Section

Input sensitivity/Impedance	
CD, DVD/VDP, TV/DBS, VCR, CDR/TAPE, AUX, V.AUX(FRONT)	200 mV/47 kohms
Output level/Load impedance	
SUBWOOFER	1.2 V/10 kohms
CD/TAPE, VCR	200 mV/47 kohms
Frequency response	10 Hz - 100 kHz (+1, -3 dB) (Tone Defeat On)
Signal-to-noise ratio	98 dB (IHF-A weighted) (Tone Defeat On)
Tone control	Treble: ±10 dB at 10 kHz Bass: ±10 dB at 100 Hz

### ■ FM Section

Tuning frequency range	87.5 - 107.9 MHz
Usable sensitivity	1.0 µV (11.2 dBf)

### ■ AM Section

Tuning frequency range	520 - 1710 kHz
Usable sensitivity	18 µV

### ■ General

Power supply	AC 120 V, 60 Hz
Power consumption	3.9 A
Dimensions	17-3/32" (W) x 5-25/32" (H) x 1-23/64" (D) 434 (W) x 147 (H) x 417 (D) mm
Weight	23 lbs 13 oz, 10.8 kg

### ■ Speaker section

#### SC-A65 (Satellite speaker system)

Type	2-way 2 speakers
Magnetic shielding	Yes
Impedance	6 ohms
Dimensions	5-3/32" (W) x 7-3/32" (H) x 6-22/32" (D) 130 (W) x 180 (H) x 171 (D) mm
Weight	2 lbs 12 oz, 1.2 kg

#### SC-C65 (Center speaker system)

Type	2-way 3 speakers
Magnetic shielding	Yes
Impedance	6 ohms
Dimensions	11-13/32" (W) x 5-3/32" (H) x 7-19/32" (D) 290 (W) x 130 (H) x 192 (D) mm
Weight	3 lbs 15 oz, 1.8 kg

#### DSW-65 (Subwoofer system with built-in Amplifier)

Impedance	4 ohms
Power supply	AC 120 V, 60 Hz
Dimensions	12-6/32" (W) x 13-25/32" (H) x 17-6/32" (D) 310 (W) x 351 (H) x 436 (D) mm (with feet)
Weight	26 lbs 7 oz, 12.0 kg



### SYS-65HT (SC-A65/ SC-C65/ DSW-65)

\*The speaker system shown is not available in some markets.



\* Design and specifications are subject to change without notice.

\* "Dolby", "Dolby Digital", "Pro Logic II", "Dolby Digital EX" and the double-D device are registered trademarks of Dolby Laboratories Licensing Corporation.

\* DTS is registered trademarks of DTS Technology.

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